

WHAT IS CLAIMED IS:

1. An image display device comprising:
 - a) a case comprising an opening;
 - b) a luminous source image display displaying a first image, wherein the source image display is positioned within the case; and
 - c) a focusing element receiving light from the source image display and focusing the light to form a second image that is viewable through the opening of the case, wherein the focusing element is positioned within the case;wherein the focusing element comprises a concave mirror and a mirror supporter that supports the concave mirror, and wherein the perimeter of the concave mirror comprises at least one straight-cut portion that has a line contact with the mirror supporter.
2. The image display device of claim 1, wherein the concave mirror is substantially having a shape of a partial spherical surface.
3. The image display device of claim 2, wherein the concave mirror is made by vacuum drawing a flat

plastic plate into a hemispherical shape, and cutting the drawn plate into a predetermined shape.

4. The image display device of claim 3, wherein the concave mirror is underdrawn.
5. The image display device of claim 4, wherein the concave mirror is underdrawn by about twelve (12)%.
6. The image display device of claim 2, wherein the concave mirror has a front surface and a back surface, wherein the front surface directs toward the opening, wherein the back surface is coated with substantially black material.
7. The image display device of claim 1, wherein the perimeter of the concave mirror comprises two of the straight-cut portions.
8. The image display device of claim 7, wherein the straight-cut portions are parallel with each other.

9. The image display device of claim 1, wherein a flexible strip is provided between the straight-cut portion and the mirror supporter.
10. The image display device of claim 1, wherein the mirror supporter can be pivoted whereby the concave mirror can be pivoted.
11. The image display device of claim 1, wherein the mirror supporter comprises two side panels and a back panel that connects the two side panels, wherein the perimeter of the concave mirror comprises two of the parallel straight-cut portions, wherein the two side panels form line contacts with the two straight-cut portions.
12. The image display device of claim 11, wherein each of the side panels comprises a pivot axis around which the mirror supporter can pivot.
13. The image display device of claim 12, wherein one of the side panels further comprises a lock member that blocks pivoting of the mirror supporter.

14. The image display device of claim 11, wherein the back panel comprises at least one supporting portion that supports the concave mirror between the side panels.
15. The image display device of claim 11, wherein the wherein the concave mirror has a front surface and a back surface, wherein the front surface directs toward the opening, wherein the back panel of the mirror supporter covers the back surface, wherein each of the side panels comprises a wing that extends opposite the concave mirror, wherein the wing comprises one or more attaching points that attach the mirror supporter to the case.
16. The image display device of claim 1, further comprising an image source that provides image information to the source image display, whereby the source image display displays the first image.
17. The image display device of claim 16, wherein the image source is a DVD player or a computer.

18. The image display device of claim 16, further comprising a sensor device that senses position of a user's hand in a plane at the opening.
19. The image display device of claim 18, wherein the position sensed by the sensor device is used to change the image information provided by the image source, whereby the second image is changed by interaction with a user.
20. An image display device comprising:
 - a) a case comprising an opening;
 - b) a luminous source image display displaying a first image, wherein the source image display is positioned within the case; and
 - c) a focusing element receiving light from the source image display and focusing the light to form a second image that is viewable through the opening of the case, wherein the focusing element is positioned within the case;wherein the focusing element comprises a concave mirror and a mirror supporter that supports the concave mirror, and wherein the perimeter of the concave mirror comprises two parallel straight-cut

portions, each of which has a line contact with the mirror supporter.

21. The image display device of claim 20, wherein flexible strips are provided between the straight-cut portions and the mirror supporter.
22. The image display device of claim 21, wherein the mirror supporter can be pivoted whereby the concave mirror can be pivoted.
23. An image display device comprising:
 - a) a case comprising an opening;
 - b) a luminous source image display displaying a first image, wherein the source image display is positioned within the case;
 - c) a focusing element receiving light from the source image display and focusing the light to form a second image that is viewable through the opening of the case, wherein the focusing element is positioned within the case;
 - d) an image source providing image information to the source image display, whereby the source image display displays the first image;

wherein the focusing element comprises a concave mirror and a mirror supporter that supports the concave mirror, and wherein the perimeter of the concave mirror comprises at least one straight-cut portion that has a line contact with the mirror supporter, wherein the image information provided by the image source is changed with user interaction.